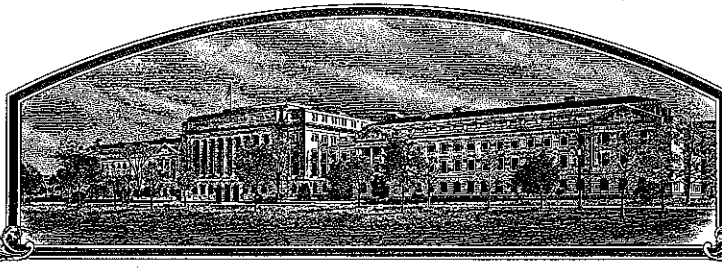


No.

200300207



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

## Florida Agricultural Experiment Station

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC SUPPLEMENTATION OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR PROPAGATING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

PEANUT

'Hull'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twenty-fifth day of August, in the year two thousand and five.

Attest:

Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

Secretary of Agriculture



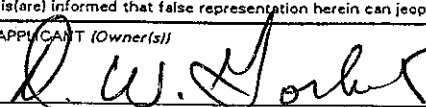
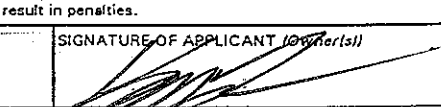
U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

## APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

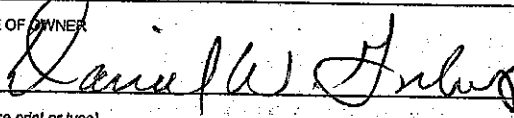
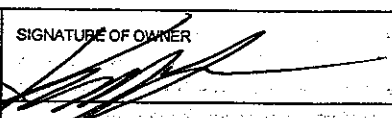
1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
Florida Agricultural Experiment Station		UF98326	Hull
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)		5. TELEPHONE (include area code)	FOR OFFICIAL USE ONLY PVPO NUMBER 200300207
Office of Dean for Research 1022 McCarty Hall, University of Florida P. O. Box 110200 Gainesville, FL 32611-0200		352-392-1784	
7. GENUS AND SPECIES NAME		6. FAX (include area code)	FILING AND EXAMINATION FEE:
Arachis hypogaea L.		352-392-4965	\$ 3652 -
8. FAMILY NAME (Botanical)			DATE March 31, 2003
Leguminosae			CERTIFICATION FEE:
9. CROP KIND NAME (Common name)			\$ 432 -
Peanut (Groundnut)			DATE June 28, 2005
10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (Common name)			
Florida Agricultural Experiment Station			
11. IF INCORPORATED, GIVE STATE OF INCORPORATION		12. DATE OF INCORPORATION	
NA		NA	
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS		14. TELEPHONE (include area code)	
Dr. D. W. Gorbet North Florida Research and Education Center 3925 Highway 71 Marianna, FL 32446			
15. FAX (include area code)			
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)			
<input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness <input checked="" type="checkbox"/> Exhibit C. Objective Description of the Variety <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Applicant's Ownership <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in an approved public repository) <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to PVPO)			
17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act)			
<input checked="" type="checkbox"/> YES (If "yes," answer items 18 and 19 below) <input type="checkbox"/> NO (If "no," go to item 20)			
18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?		19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		<input checked="" type="checkbox"/> FOUNDATION <input checked="" type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED	
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETING IN THE U.S. OR OTHER COUNTRIES?			
<input checked="" type="checkbox"/> YES (If "yes," give names of countries and dates) <input type="checkbox"/> NO			
USA, May 2002			
21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.			
The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.			
Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF APPLICANT (Owner(s))		SIGNATURE OF APPLICANT (Owner(s))	
			
NAME (Please print or type)		NAME (Please print or type)	
D. W. Gorbet		Richard L. Jones	
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE	DATE
Professor/Breeder		Dean for Research	

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE  
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER Florida Agricultural Experiment Station <i>R440</i> University of Florida, <i>IFAS</i> <i>5/6/05</i>		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME UF98326	3. VARIETY NAME Hull
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) Office of Dean for Research 1022 McCarty Hall, University of Florida P. O. Box 110200 Gainesville, FL 32611-0200		5. TELEPHONE (include area code) 352-392-1784	FOR OFFICIAL USE ONLY PVPO NUMBER  FILING DATE
6. FAX (include area code) 352-392-4965		9. DATE OF INCORPORATION NA	
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) University Ag. Expt. Stn. (Public)	8. IF INCORPORATED, GIVE STATE OF INCORPORATION NA		
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) Dr. Daniel W. Gorbet North Florida Research and Education Center 3925 Highway 71 Marianna, FL 32446			F E E S  R E C E I V E D  FILING AND EXAMINATION FEES: \$  DATE  CERTIFICATION FEE: \$  DATE
11. TELEPHONE (Include area code) 850-482-9956	12. FAX (Include area code) 850-482-9917	13. E-MAIL dgorbet@mail.ifas.ufl.edu	14. CROP KIND (Common Name) Peanut
15. GENUS AND SPECIES NAME OF CROP <i>Arachis hypogaea</i> L.		16. FAMILY NAME (Botanical) Leguminosae	17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$3,652), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act <input checked="" type="checkbox"/> YES (If "yes", answer items 20 and 21 below) <input type="checkbox"/> NO (If "no", go to item 22)  20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, WHICH CLASSES? <input checked="" type="checkbox"/> FOUNDATION <input checked="" type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED  21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)	
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES May 2002 <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)		23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? USA-Utility Patents on oil chemistry <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)	
24. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.  The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.  Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF OWNER 		SIGNATURE OF OWNER 	
NAME (Please print or type) Daniel W. Gorbet		NAME (Please print or type) Richard L. Jones	
CAPACITY OR TITLE Professor/Breeder	DATE April 11, 2003	CAPACITY OR TITLE Dean for Research	DATE 4/29/03

## INSTRUCTIONS

**GENERAL:** To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

## Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvp.htm>

## ITEM

- 18a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) evidence of uniformity and stability; and (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
  - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

As noted (Breeder, Foundation, Registered, Certified (one year each))

22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

May 2002 (Foundation)

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

Three utility patents effect this variety: 1) No. 5,922,390; 2) No. 6,063,984; 3) No. 6,121,472

**NOTES:** It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089. <http://www.ams.usda.gov/lsg/seed.htm>

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

ST-470 (02-10-2003) designed by the Plant Variety Protection Office with Word 2000. Replaces former versions of ST-470, which are obsolete.

## Exhibit A - Origin and Breeding History of Variety - Hull

Hull (UF98326) came from a three-way cross made in the greenhouse at Marianna, Florida in 1989. The cross was made to incorporate the "high oleic" oil chemistry in material to select for good pod/seed yields, grades, medium-late maturity, resistance to multiple disease (tomato spotted wilt virus, late leafspot/*C. personatum*, and white mold (*S. rolfisii*), and improved oil chemistry. A pedigree selection program was followed in the  $F_1$  -  $F_6$  under unsprayed (no leafspot control) conditions. Hull originates from a high oleic seed (HOI) from an  $F_1$  plant from which individual seed were analyzed for oil chemistry. HOI was a "high oleic" seed ( $80 \pm \% 18:1$ ). Single plant selections were made under unsprayed conditions in  $F_2$  -  $F_6$ . Hull was first yield tested at Marianna in 1996 and in Marianna and Gainesville in 1997-2001.

Pedigree = 89 x OL28-HOI-7-4-1-2-b3-B

[ $F_1$  (Southern Runner x F435-HO) x UF81206]

The female parent was an  $F_1$  plant from a cross of Southern Runner with F435-HO. The F435-HO is a breeding line from the University of Florida breeding program with "high oleic" oil ( $80 \pm \% 18:1$ ) chemistry of its seed. This line came from an outcross/mutation selection from a Florispan derivative with high oleic chemistry. F435-HO was first reported in a 1987 article in *Peanut Science* (Norden, et al.). F435-HO has been widely used in peanut breeding programs around the world. SunOleic 95R was the first commercial peanut cultivar released with this trait and breeding background. The male parent was UF81206, which is a late maturity University of Florida breeding line that has very good resistance to late leafspot, tomato spotted wilt virus, and white mold. Southern Runner and UF81206 both have PI203396 as a parent. Hull is a jumbo-runner market-type peanut with prostrate growth habit, classified as *Arachis hypogaea* spp. *hypogaea* var. *hypogaea*. Hull has somewhat less vine growth, shorter center stem height and lighter green foliage than C-99R. Seed (testa) of Hull are tan in color and similar in size to those of C-99R.

Hull was first put into yield tests at Marianna in 1996 followed by Gainesville in 1997. Hull has been uniform and stable for all yield tests and seed increases during this period (1996-2004) of evaluation. It has consistently shown to have the high oleic seed trait, multiple disease resistance, and the phenotype described. No variants have been observed.

'Hull' is most similar to 'C-99R'; however, 'Hull' has higher oleic acid (80 vs 57 %) and lower linoleic acid (3 vs 23 %) content in the seed oil than 'C-99R'.

#### Exhibit C - Objective Description of Variety

Hull is a runner market-type peanut (*A. hypogaea* L.) with prostrate (runner) growth habit. The foliage is medium to somewhat lighter green than C-99R, especially near maturity. Seed of Hull are similar in size and shape to those of C-99R with a tan testa. The 100-seed weight of Hull is about 70 grams. Pod yields of Hull have been very similar to C-99R in sprayed and unsprayed tests. Hull has resistance to tomato spotted wilt virus, late leafspot (*C. personatum*), and white mold (*S. rolfsii*), similar to C-99R, with less vine growth and seed that have "high oleic" oil chemistry. Hull has about 80% oleic (18:1) and 2% linoleic (18:2) fatty acid composition in the seed, with near 50% oil. The oil chemistry is similar to SunOleic 97R.

Additional details to characterize Hull are given in the tables referenced in Exhibit D. Hull has performed very similar to C-99R in many Florida tests.

#### References:

- 1) Gorbet, Daniel W. 2003. Hull - A new multiple disease resistant high oleic peanut variety. UF Agric. Expt. Stn. NFREC Res. Rpt. 03-6. 7 p.
- 2) Gorbet, D. W., and D. A. Knaft. 2000. Registration of 'SunOleic 97R' Peanut. Crop Sci. 40:1190-1191.
- 3) Gorbet, D. W., and F. M. Shokes. 2002. Registration of 'C-99R' Peanut. Crop Sci. 42:2207.

Table 6. Oil chemistry by year and location in Florida tests (1999-2002).

Year/location variety	Fatty acid content			Oil
	Palmitic	Oleic	Linoleic	
<b><u>1999 Gainesville</u></b>	----- % -----			
Hull	5.3	81.0	1.7	--
C-99R	9.8	58.0	22.0	--
Fla. MDR 98	4.9	68.1	12.0	--
DP-1	7.0	71.2	11.2	--
SunOleic 97R	5.3	79.7	3.2	--
<b><u>1999 Marianna</u></b>				
Hull	5.4	80.5	2.1	49.3
C-99R	9.3	56.3	23.7	51.8
Fla. MDR 98	8.1	62.2	17.9	50.8
DP-1	8.7	61.1	19.4	51.9
SunOleic 97R	6.2	80.3	2.8	50.2
<b><u>2000 Gainesville</u></b>				
Hull	5.8	79.6	2.2	49.1
C-99R	9.7	53.3	24.7	52.1
Fla. MDR 98	8.0	61.5	17.7	53.8
DP-1	8.8	59.0	20.2	50.6
SunOleic 97R	6.1	80.4	2.7	51.8
<b><u>2000 Marianna</u></b>				
Hull	5.4	78.3	2.7	48.8
C-99R	8.4	58.7	20.0	52.1
Fla. MDR 98	7.1	66.1	13.3	52.8
DP-1	9.2	57.1	21.0	51.9
SunOleic 97R	5.8	81.0	2.6	50.2

**Table 6**  
**Continued**

**2001 Gainesville**

Hull	5.9	80.6	3.5	52.0
C-99R	10.0	56.0	23.9	49.6
Fla. MDR 98	8.4	60.6	19.7	53.1
DP-1	9.2	59.4	21.6	52.0
SunOleic 97R	5.9	82.5	3.8	50.9

**2001 Marianna**

Hull	5.7	80.6	4.2	--
C-99R	9.1	57.7	23.5	--
DP-1	9.9	53.4	26.9	--
SunOleic 97R	5.9	81.3	4.5	--

**2002 Gainesville**

Hull	6.1	80.4	2.1	--
C-99R	9.7	57.8	22.6	--
DP-1	8.7	62.8	18.6	--
SunOleic 97R	6.1	80.8	4.0	--

Table 7. Commercial lab data on chemistry and flavor for Hull (2001).

Entry	Fatty Acids (%)			%	%	Flavor*
	16:0	18:1	18:2	Oil	Sugar	
Hull	5.5	79.1	2.9	50.1	3.1	5.2
C-99R	9.2	53.2	24.8	48.0	3.3	5.0
Georgia Green	9.7	51.4	28.1	49.3	3.2	4.0

\*Flavor rated on 1-10 (10 = strongest).



U.S. DEPARTMENT OF AGRICULTURE  
 AGRICULTURAL MARKETING SERVICE  
~~LIVESTOCK, POULTRY, GRAIN & SEED DIVISION~~  
 BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY  
 PEANUT (*Arachis hypogaea*)

NAME OF APPLICANT(S) Florida Agricultural Experiment Station	VARIETY NAME OR TEMPORARY DESIGNATION UF98326/Hull
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) Office of Dean for Research 1022 McCarty Hall, University of Florida P. O. Box 110200, Gainesville, FL 32611-0200	FOR OFFICIAL USE ONLY PVPO NUMBER 200300207

Place the appropriate number that describes the varietal character of this variety in the boxes below.  
 Place a zero in first box (e.g., 0 8 9 or 0 9 ) when number is either 99 or less or 9 or less.

## 1. BOTANICAL TYPE:

<input type="checkbox"/> 1	Flowering on the Main Stem:	1 = ABSENT	2 = PRESENT
<input type="checkbox"/> 1	Branching Pattern:	1 = ALTERNATE - Pairs of vegetative & reproductive branches (Virginia)	3 = OTHER (Specify) _____
		2 = SEQUENTIAL - Continuous reproductive branches (Valencia-Spanish)	

## 2. PLANT:

<input type="checkbox"/> 1	Habit:	1 = PROSTRATE (Florunner)	2 = DECUMBENT (NC-5)	<input type="checkbox"/>	Branching:	1 = SPARSE (Valencia)	2 = MODERATE (Starr)
		3 = SEMI-ERECT (Florispan)	4 = ERECT (Starr)			3 = PROFUSE (Florunner)	

## 3. MATURITY:

<input type="checkbox"/> 2	Region:	1 = VIRGINIA, NORTH CAROLINA	2 = S.E. UNITED STATES	3 = S.W. UNITED STATES	4 = OTHER		
<input type="checkbox"/> 1	<input type="checkbox"/> 4	<input type="checkbox"/> 5	NUMBER OF DAYS TO MATURITY				
<input type="checkbox"/>	<input type="checkbox"/>	NO. OF DAYS EARLIER THAN . . . . .		<input type="checkbox"/>	1 = STARR	2 = FLORUNNER	3 = FLORIGIANT
<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	4 = VIRGINIA 61R	5 = NC-2	
<input type="checkbox"/> 1	<input type="checkbox"/> 0	NO. OF DAYS LATER THAN . . . . .		<input type="checkbox"/> 2	6 = NC-5	7 = SOUTHEASTERN RUNNER 56-15	
					8 = OTHER (Specify) _____		

## 4. LEAVES:

<input type="checkbox"/> 2	COLOR AT 60 DAYS: (Nickerson Color Designation):	1 = LIGHT GREEN (10Gy 6/9)	2 = MEDIUM GREEN (2.5G 5/9)
		3 = DARK GREEN (5G 4/7)	4 = OTHER (Specify) _____
<input type="checkbox"/> 5	<input type="checkbox"/> 7	MM. LEAFLET LENGTH (Basal leaflet of the youngest fully opened leaf)	
<input type="checkbox"/> 2	<input type="checkbox"/> .	<input type="checkbox"/> 5	LEAFLET LENGTH/WIDTH RATIO

## 5. POD: (Average for 20 pods at maturity)

<input type="checkbox"/> 2	<input type="checkbox"/> 9	MM. LENGTH	<input type="checkbox"/> 1	<input type="checkbox"/> 6	MM. DIAMETER		
<input type="checkbox"/> 5	<input type="checkbox"/> 3	<input type="checkbox"/> 0	<input type="checkbox"/> 5	KG./HA. POD YIELD			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% LESS THAN . . . . .		<input type="checkbox"/> 1 = STARR	2 = FLORUNNER	3 = FLORIGIANT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	% MORE THAN . . . . .		<input type="checkbox"/> 4 = VIRGINIA 61R	5 = NC-2	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 3			<input type="checkbox"/> 6 = NC-5	7 = SOUTHEASTERN RUNNER 56-15	
					8 = OTHER (Specify) C-99R		
<input type="checkbox"/>	<input type="checkbox"/> 6	% FANCY SIZE: (% riding 13.46 mm., 34/64 inch, spacing set on presizer roller)					

## 5. POD (Average for 20 pods at maturity):

NUMBER OF SEEDS PER POD: 1 = 1 2 = 2 3 = 3 4 = 3-4 5 = 2-3-4  
 CONstriction: 1 = SHALLOW OR NONE (Virginia 56R, Argentine) 2 = MEDIUM (Virginia 61R) 3 = DEEP (Starr)  
 SURFACE: 1 = GLABROUS (Florunner) 2 = PUBESCENT (Florispan)  
 BEAK: 1 = ABSENT 2 = INCONSPICUOUS 3 = PRONOUNCED

## 6. SEED (Mature, cured but not aged):

COAT COLOR: 1 = WHITE (Pearl) 2 = CREAM 3 = TAN (Starr) 4 = BROWN 5 = PINK (Florigiant)  
 6 = RED 7 = PURPLE 8 = DARK PURPLE 9 = VARIGATED  
 10 = OTHER (Specify) \_\_\_\_\_  
 COAT SURFACE: 1 = SMOOTH 2 = INDENTED  1 = UNIFORM COLOR 2 = BLEMISHED  
 1 = SPHERIODAL (Starr) 2 = SHORT-BROAD (Florunner) 3 = ELONGATED-SLENDER (Dixie Runner)  
 SHAPE: 4 = CYLINDRICAL-TAPERED ENDS 5 = CYLINDRICAL-BLUNT ENDS (NC-2) 6 = OTHER (Specify) C-99R  
  MM. LENGTH   MM. WIDTH   GRAMS PER 100 SEED (8% Moisture)

## 7. DISEASE RESISTANCE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

Scale 1-4; 4 = resistant

SOUTHERN STEM ROT  RUST  
 EARLY LEAF SPOT  VIRUS X  
 SOUTHERN LEAF SPOT  MOSAIC  
 POD ROT COMPLEX  OTHER (Specify) Tomato Spotted Wilt Virus

## 8. INSECT RESISTANCE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

THRIPS  BURROWING BUG  
 LEAF HOPPER  NEMATODE (Specify species)  
 SOUTHERN CORN ROOTWORM  LESSER CORNSTALK BORER  
 APHID  OTHER (Specify) \_\_\_\_\_

## 9. COMPARISON OF SUBMITTED VARIETY WITH ONE OR MORE SIMILAR VARIETIES:

VARIETY	OIL* (%)	PROTEIN* (%)	OLEIC: * LINOLEIC ACID RATIO	IODINE* NUMBER	SHELLING (%)	SMK** (%)	ELK+ (%)	MAIN STEM HEIGHT (CM)
SUBMITTED	49.1	26.2	36.5	75	77.5	76.8	39	29.9
SIMILAR	51.0	27.0	35.2	76	78.4	77.6	39	33.0
NAME OF SIMILAR VARIETY	C-99R	C-99R	SunOleic 97R	SunOleic 97R	SunOleic 95R	SunOleic 95RR	C-99R	Georgia Green

\* From Sound Mature Kernels

\*\* Sound Mature Kernels

+ Extra Large Kernels

## 10. INDICATE A VARIETY WHICH MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	VARIETY	CHARACTER	VARIETY
POD COLOR	C-99R	SEEDLING VIGOR	C-99R
SEED DORMANCY	C-99R	HULL THICKNESS	C-99R
SEED SIZE	C-99R	LEAF COLOR	Andru 93

## 11. COMMENTS (Additional description or clarification - Such as: Relative disease reactions may be compared with standard varieties)

Hull has good resistance to tomato spotted wilt virus and white mold (*S. rolfsii*) with moderate resistance to late leafspot and CBR, with "high oleic" oil chemistry.

## Exhibit D - Additional Description of Variety

Hull is a medium-late maturity ( $145 \pm 3$  DAP) runner market-type peanut with excellent pod/seed yield potential, very good resistance to tomato spotted wilt virus (TSWV) and white mold (*S. rolfisii*), moderate resistance to late leafspot (*C. personatum*) and CBR, with excellent oil quality (high oleic).

Table 1 gives data on pod yield, grades and disease ratings for Florida tests conducted at Marianna and Gainesville (1997-2001). These data show that Hull has pod yields very similar to C-99R under both sprayed and unsprayed conditions. The dominant leafspot pathogen for tests at Marianna is *Cercosporidium personatum* (late leafspot). The data on sprayed tests, comparing Hull to Georgia Green, show a pod yield and disease resistance advantage for Hull. Grades of Hull indicate a somewhat lower SMK value (compared to C-99R and Georgia Green), with an ELK and 100-seed weight almost the same as C-99R.

Table 2 gives data on TSWV tests grown at Marianna, Florida, and Tifton, Georgia, under high pressure conditions (early April planting, four seed/row foot). Hull shows a clear advantage over the resistant check (Georgia Green) for pod yields and disease resistance in all tests. Disease rating was based on percent of plot showing symptoms.

Table 3 gives data on field paired-row tests, where two rows of a four-row plot were inoculated at  $50 \pm$  DAP with *S. rolfisii* (white mold) and two rows were left uninoculated. Results on pod yields and disease ratings indicate that Hull is very similar to C-99R in resistance to this disease and both are more resistant than Georgia Green and Florunner. The disease in the uninoculated rows was mainly TSWV.

Table 4 gives data from Marianna on leafspot resistance studies, comparing Hull to C-99R and Southern Runner. Main-plot treatments in split-plot studies were either unsprayed or sprayed with four fungicide applications on a 21-day schedule, beginning about 55 DAP. Pod yields and disease ratings indicate that Hull has resistance to leafspot (*C. personatum*) very similar to C-99R and better than Southern Runner.

Table 5 gives data on oil chemistry from Florida samples analyzed in University of Florida labs (1999-2000). The results show the "high oleic" (18:1) oil content of Hull, being similar to SunOleic 97R, with the low linoleic (18:2) content. This chemistry has shown to help shelf-life/stability of the oil and for products made from peanuts with this type oil chemistry, compared to "normal" chemistry (Florunner, Georgia Green, C-99R). Data from University of Florida studies have shown health benefits from this type peanut, lowering LDL cholesterol in human

trials in Gainesville.

Table 6 gives data on oil chemistry for Hull compared to C-99R, DP-1, and SunOleic 97R in Gainesville and Marianna Tests. This further shows the high oleic chemistry by location and year, similar to SunOleic 97R.

Table 7 gives additional data on seed chemistry and flavor from 2001 Marianna crop samples, analyzed at a commercial lab. These data further support the "high oleic" oil chemistry of Hull and indicate that it rates ok for roasted flavor.

Table 8 gives blanching data on Florida samples (Marianna, 1998-2000), comparing Hull to Georgia green and C-99R. Hull shows somewhat less whole-seed blanch than Georgia Green and C-99R with somewhat more splits and partials.

Table 9 gives data on seed size distribution for Hull compared to Georgia Green and C-99R at Marianna (1999-2001). Hull is very similar to C-99R in seed size with a somewhat lower meat content. This agrees with the grading data.

Table 1. Pod yield and grading data for Hull in Florida tests (1997-2001).

Entry	Pod Yield (lbs./A)	% Meat	% TSMK <sup>1</sup>	% ELK <sup>2</sup>	100-seed wt. (g)	Disease <sup>3</sup>	
						A	B
<b><u>Sprayed (31)<sup>4</sup></u></b>							
Hull	4737	77.5	76.8	39.9	71.9	2.8	3.4
C-99R	4615	78.8	78.3	39.6	73.7	2.9	3.4
<b><u>Unsprayed (21)</u></b>							
Hull	3035	79.9	77.7	36.4	69.2	5.8	2.4
C-99R	3077	81.2	79.4	36.3	69.0	5.6	2.5
<b><u>Sprayed (21)</u></b>							
Hull	4644	77.1	75.7	37.5	72.0	3.0	3.3
Georgia Green	3664	79.8	77.8	16.1	57.5	4.2	2.8

<sup>1</sup>TSMK = sound mature kernels, seed riding a 16/64th inch slotted screen.

<sup>2</sup>ELK = extra large kernels, seed riding a 21.5/64th inch slotted screen.

<sup>3</sup>Disease rated A = 1-10 scale, 1 = no disease (sprayed = TSWV, unsprayed = leafspot), B = 4-1 scale (4 = highly resistant).

<sup>4</sup>Number in parentheses = number of tests.

Table 2. Tomato spotted wilt studies in Florida and Georgia (1998-2000).

Entry/Year	% Disease <sup>1</sup>			Pod Yield (kg/ha)		
	GA	FL	Mean	GA	FL	Mean
<b>1998</b>						
Georgia Green	50.8	65.0	57.9	4570	3699	4135
Georgia Runner	81.7	89.6	85.6	2943	2645	2794
Hull	23.3	35.4	29.4	6364	4655	5510
<b>1999</b>						
Georgia Green			50.4	3363	2414	2888
GK 7			82.7	2081	814	1448
Hull			40.9	4793	4176	4485
<b>2000</b>						
Georgia Green	54.6	29.0	41.8	2706	2936	2821
GK 7	62.1	40.0	51.1	2473	1971	2222
Hull	30.8	32.1	31.5	4859	4427	4643

<sup>1</sup>Data from Dr. Albert Culbreath, University of Georgia, Tifton.Table 3. Data on paired-row tests inoculated with *S. rolfisii*, 1999-2001.

Entry	Yield (kg/ha)		Disease			
	Inoc.	Not	Inoc. <sup>1</sup>	Inoc. <sup>2</sup>	Not <sup>1</sup>	Not <sup>2</sup>
Florunner	2175	3102	7.1	2.0	5.8	2.4
Georgia Green	3780	4651	4.3	3.0	3.2	3.3
C-99R	4311	4675	3.0	3.4	2.5	3.7
Hull	<u>4854</u>	<u>5480</u>	<u>3.2</u>	<u>3.4</u>	<u>2.5</u>	<u>3.7</u>
LSD (.05) =	515		0.3			

<sup>1</sup>Disease rated 1-10 (1 = no disease).<sup>2</sup>Disease rated 1-4 (4 = resistant).

Table 4. Data on leafspot resistance studies at Marianna (1999-2002).

Entry/Year	Pod Yield (lbs/A)	% TSMK	100-seed wt. (g)	Disease <sup>1</sup>	
				(1-10)	(1-4)
<b><u>Unsprayed</u></b>					
Hull	3638	78.1	70.6	5.0	2.6
C-99R	3437	79.9	68.5	5.3	2.6
Southern Runner	2820	78.1	52.9	5.2	2.6
<b><u>Sprayed<sup>2</sup></u></b>					
Hull	4875	78.5	70.5	2.8	3.4
C-99R	4689	80.5	72.5	3.3	3.3
Southern Runner	3989	79.4	56.3	3.5	3.2

<sup>1</sup>Disease rated 1-10 (1 = no disease); 1-4 (4 = resistant).

<sup>2</sup>Sprayed treatment = four fungicide sprays for leafspot control on 21 day schedule, beginning about 55 days.

Table 5. Oil chemistry data from Florida samples conducted in University of Florida labs (1999-2000)\*.

Entry	Oleic (18:1)	Linoleic (18:2)	Oil
	----- % -----		
Hull	79.7	2.0	48.8
C-99R	58.8	20.5	52.0
Georgia Green	54.8	25.1	51.3
Florunner	56.0	24.1	49.7
SunOleic 97R	80.7	2.5	49.0

\*Data based on no less than 10 fatty acid samples and four samples for oil.

Table 8. Blanching data on Hull from Marianna samples (1999-2001).

Entry	Splits	Whole	Not	Partial
----- % -----				
Hull	9.7	75.8	4.3	7.5
Georgia Green	7.3	83.7	3.3	3.7
C-99R	4.8	85.0	2.0	5.5

Table 9. Hull seed size distribution data (1998-2000).

Entry	Percent riding screen size				SS <sup>1</sup>	OK <sup>2</sup>	Meat
	21/64"	18/64"	16/64"	14/64"			
	----- % -----						
Hull	41.5	19.8	4.2	1.8	7.3	2.0	76.6
C-99R	45.9	20.0	3.0	1.1	6.8	1.7	78.5
Georgia Green	29.8	37.5	5.4	1.7	2.7	1.7	78.8

<sup>1</sup>SS = sound splits.

<sup>2</sup>OK = other kernels (pass thru 14/64).



## Ownership Statement

Hull originates from a 1989 cross made in the greenhouse at the Marianna by D. W. Gorbet. All selections were made at Marianna (D. W. Gorbet) under unsprayed (leafspot) field conditions after the initial analyzing of the  $F_2$  seed (from  $F_1$  plant), for oil chemistry. Hull originates from the HOI (high oleic)  $F_2$  seed. Seed from three  $F_6$  plants were bulked to begin yield testing at Marianna in 1996. Yield tests were continued at Marianna and Gainesville in 1997-2001. UF98326 was approved for release by the University of Florida Agricultural Experiment Station (FAES) in 2002 as a new high oleic, late maturity, multiple disease resistant peanut cultivar, named Hull.

Florida Foundation Seed Producers, Inc. (FFSP) has been designated and authorized to produce breeder and foundation seed of Hull for commercial distribution. Only companies with approved contracts with FFSP are authorized to produce and sell seed of Hull.

Hull was developed by FAES scientist (breeder). By agreement between the breeder and FAES, this invention belongs to FAES and all rights, access, and use of this invention shall be in accordance to FAES policy.

Also, Hull is impacted by three University of Florida utility patents on the "high oleic" trait (Patents # 5,922,030; 6,121,472; and 6,063,984). These three patents impact the commercialization of all high oleic peanuts and as such, arrangements must be made with the University of Florida Foundation for marketing any such peanut varieties.

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE

**EXHIBIT E**  
**STATEMENT OF THE BASIS OF OWNERSHIP**

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S)  Florida Agricultural Experiment Station <del>University of Florida/IFAS</del>	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER  UF98326	3. VARIETY NAME  Hull
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) Office of Dean for Research 1022 McCarty Hall, University of Florida P. O. Box 110200 Gainesville, FL 32611-0200	5. TELEPHONE (include area code) 352-392-1784	6. FAX (include area code) 352-392-4965
7. PVPO NUMBER 200300207		
8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain. <div style="text-align: right;"> <input checked="" type="checkbox"/> YES    <input type="checkbox"/> NO         </div>		
9. Is the applicant (individual or company) a U.S. national or U.S. based company? If no, give name of country _____ <div style="text-align: right;"> <input checked="" type="checkbox"/> YES    <input type="checkbox"/> NO         </div>		
10. Is the applicant the original breeder? If no, please answer the following: <div style="margin-left: 40px;">           a. If original rights to variety were owned by individual(s):            Is (are) the original breeder(s) a U.S. national(s)? If no, give name of country _____         </div> <div style="text-align: right; margin-right: 100px;"> <input checked="" type="checkbox"/> YES    <input type="checkbox"/> NO         </div> <div style="margin-left: 40px;">           b. If original rights to variety were owned by a company:            Is the original breeder(s) U.S. based company? If no, give name of country _____         </div> <div style="text-align: right; margin-right: 100px;"> <input checked="" type="checkbox"/> YES    <input type="checkbox"/> NO         </div>		
11. Additional explanation on ownership (If needed, use reverse for extra space): D. W. Gorbet (Professor) - peanut breeder for Florida Agricultural Experiment Station		

**PLEASE NOTE:**

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original breeder, both the original breeder and the applicant must meet one of the above criteria.

The original breeder may be the individual or company who directed final breeding. See Section 4.1(a)(2) of the Plant Variety Protection Act for definition.

Public reporting burden for this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number in your letter.

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